

Building a Safety Culture

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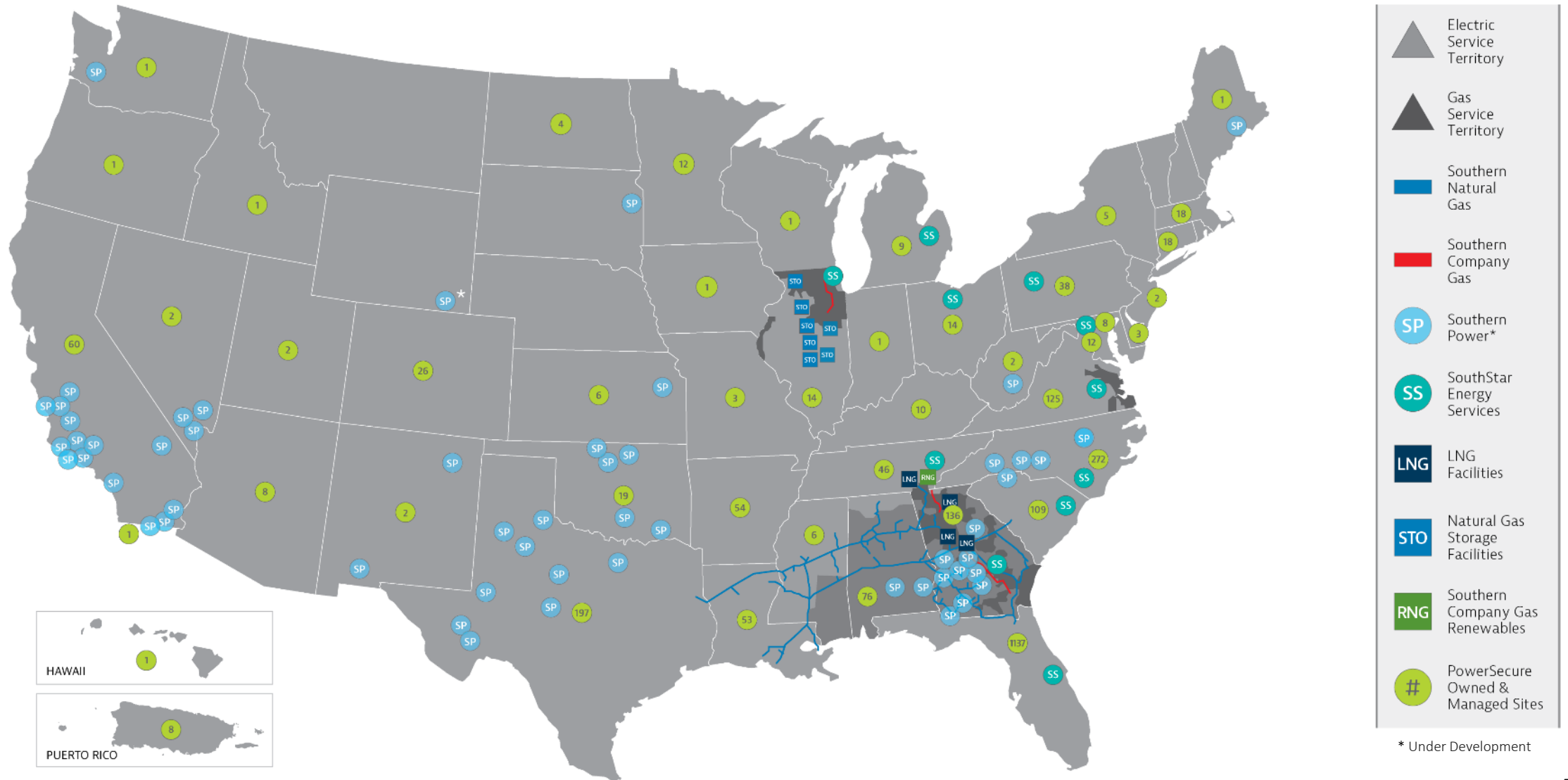
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Company Overview



Who is Southern Company?

America's premier energy company – providing clean, safe, reliable and affordable energy, and customized solutions



Southern Company Subsidiaries

Alabama Power	1.5 million electric utility customers
Georgia Power	2.8 million electric utility customers
Mississippi Power	192,000 electric utility customers
Southern Company Gas	4.4 million natural gas distribution customers in 4 states
	Nicor Gas 2.3 million natural gas distribution customers in Illinois
	Atlanta Gas Light 1.7 million natural gas distribution customers in Georgia
	Virginia Natural Gas 312,000 natural gas distribution customers in Virginia
	Chattanooga Gas 71,000 natural gas distribution customers in Tennessee
Southern Power	13,000 MW of wholesale solar, wind, natural gas and clean alternative technologies in 15 states
PowerSecure	A national leader in distributed infrastructure technologies doing business nationwide
Southern Nuclear	An innovative leader among the nation's nuclear energy industry
Southern Linc	Wireless communications service

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Electric & Natural
Gas Utilities

9 Million

Customers

More than

28,000

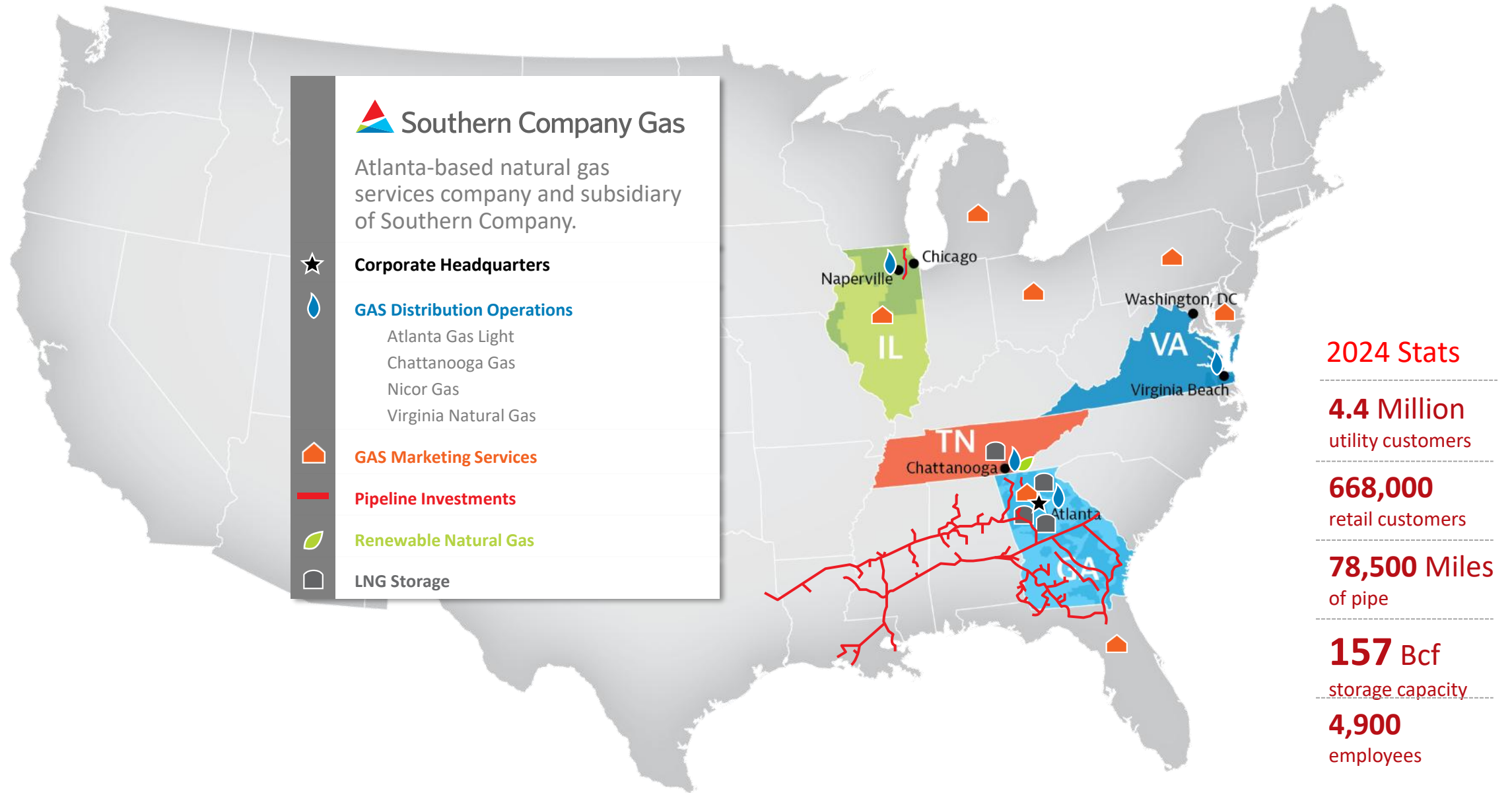
Employees

Approximately

45,000 MW

of Generating Capacity

Southern Company Gas



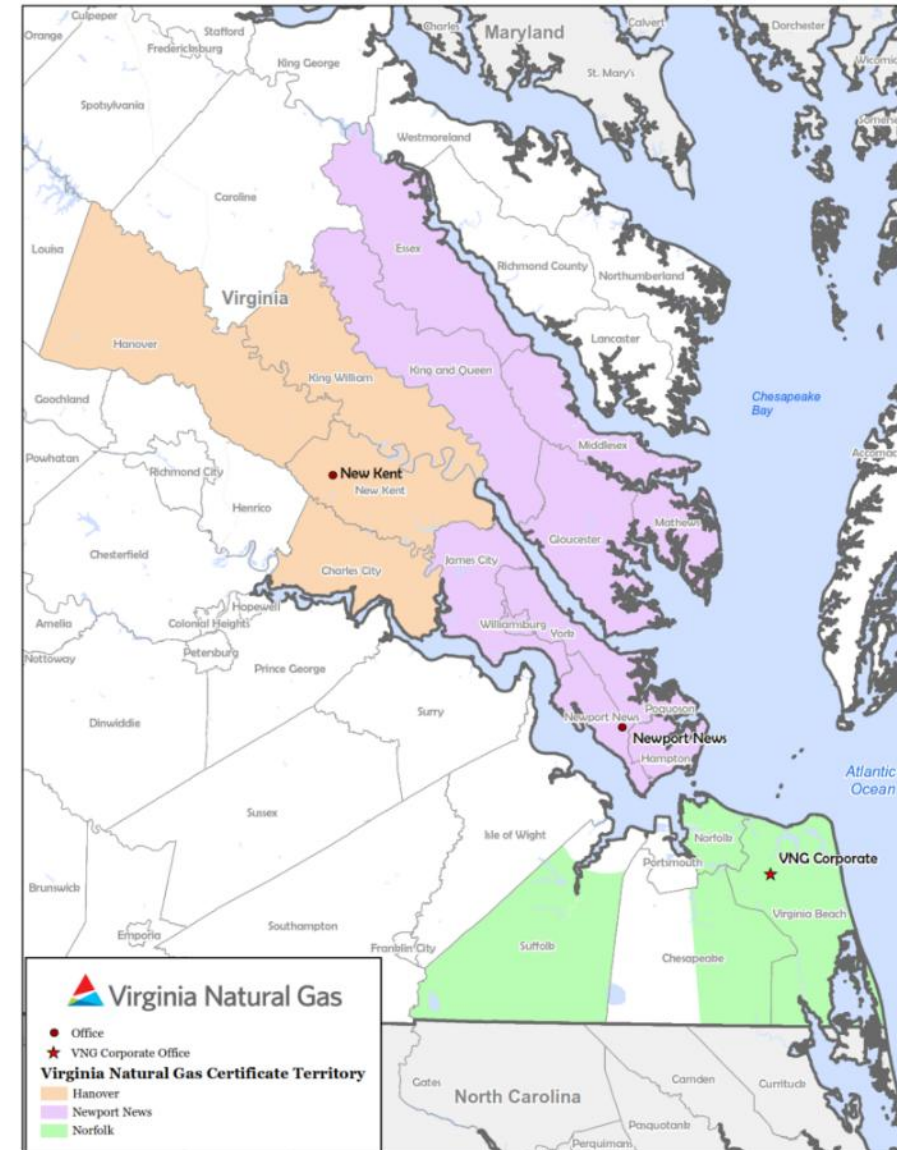
Virginia Natural Gas

Company Details

- 400 employees
- 42K miles of natural gas distribution pipeline
- 310K customers in SE Virginia

Company History – 175 Years

- 1850: Company began City Gas Light Company, chartered to provide gas lights to the streets of Norfolk.
- 2000: AGL Resources Inc. bought VNG from Dominion
- 2016: AGL Resources acquired by Southern Company



Southern Company's Core Values

Safety First

We actively care about the safety and well-being of our employees, customers and communities. Safely approaching every job, every day, always comes first.



Intentional Inclusion

We are One Team, working to foster a culture of belonging and ensuring our diverse team feels valued. Investing in an equitable culture benefits employees, customers, communities and shareholders.

Act with Integrity

We act with honesty, respect and fairness, demonstrating trustworthiness in all we do. We are true to our word and follow through on our commitments.



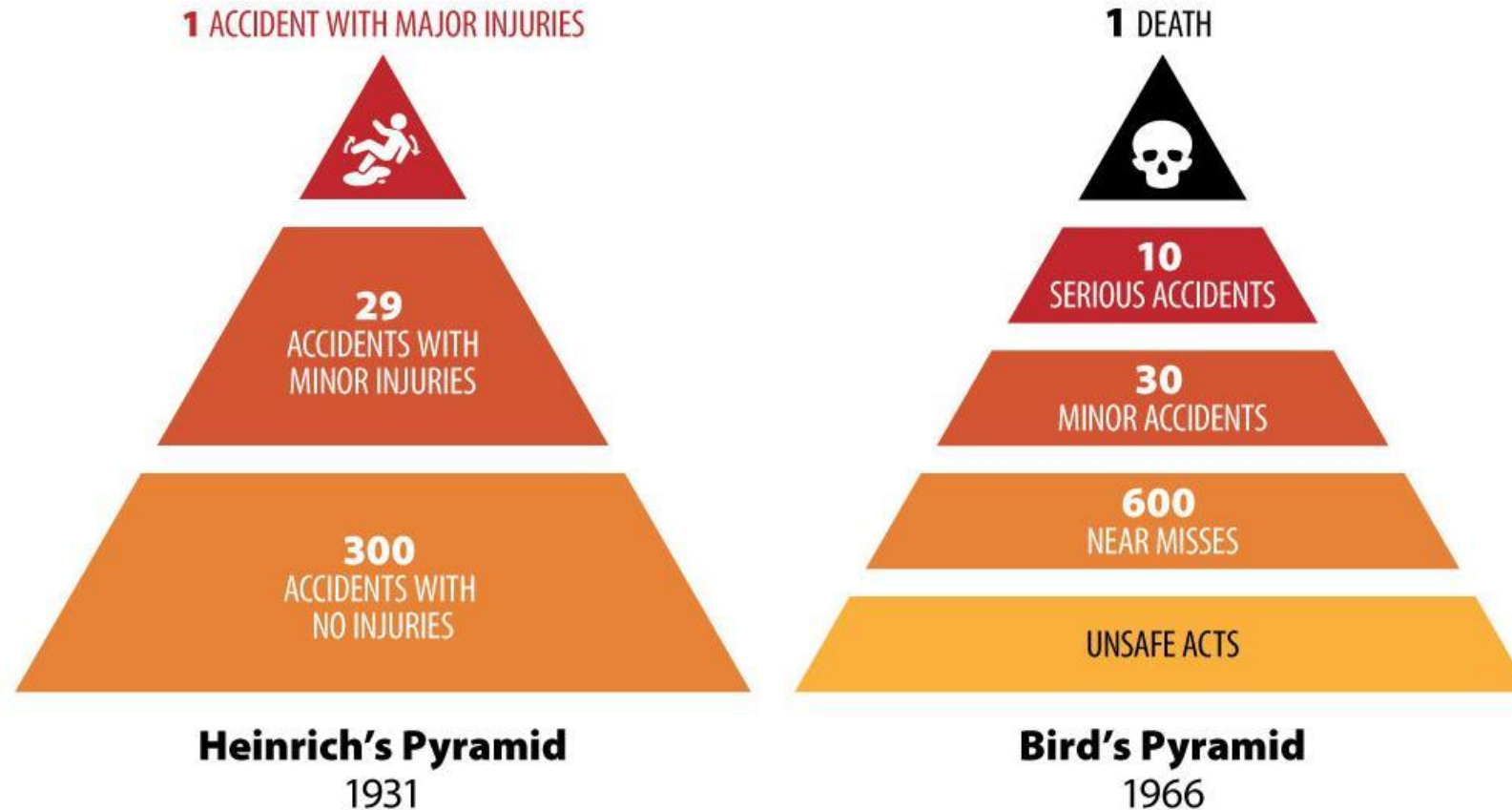
Superior Performance

We keep customers at the center of everything we do, with a focus on continuous improvement. We provide exceptional service, delivering innovative solutions that benefit our customers, communities, investors and the environment.

Progression of a Safety Culture



The Safety Pyramid



1930s-1990s: Widespread acceptance of the safety pyramid (behavior-based safety)

– Focusing on reducing minor incidents & unsafe behaviors naturally lead to fewer SIFs.

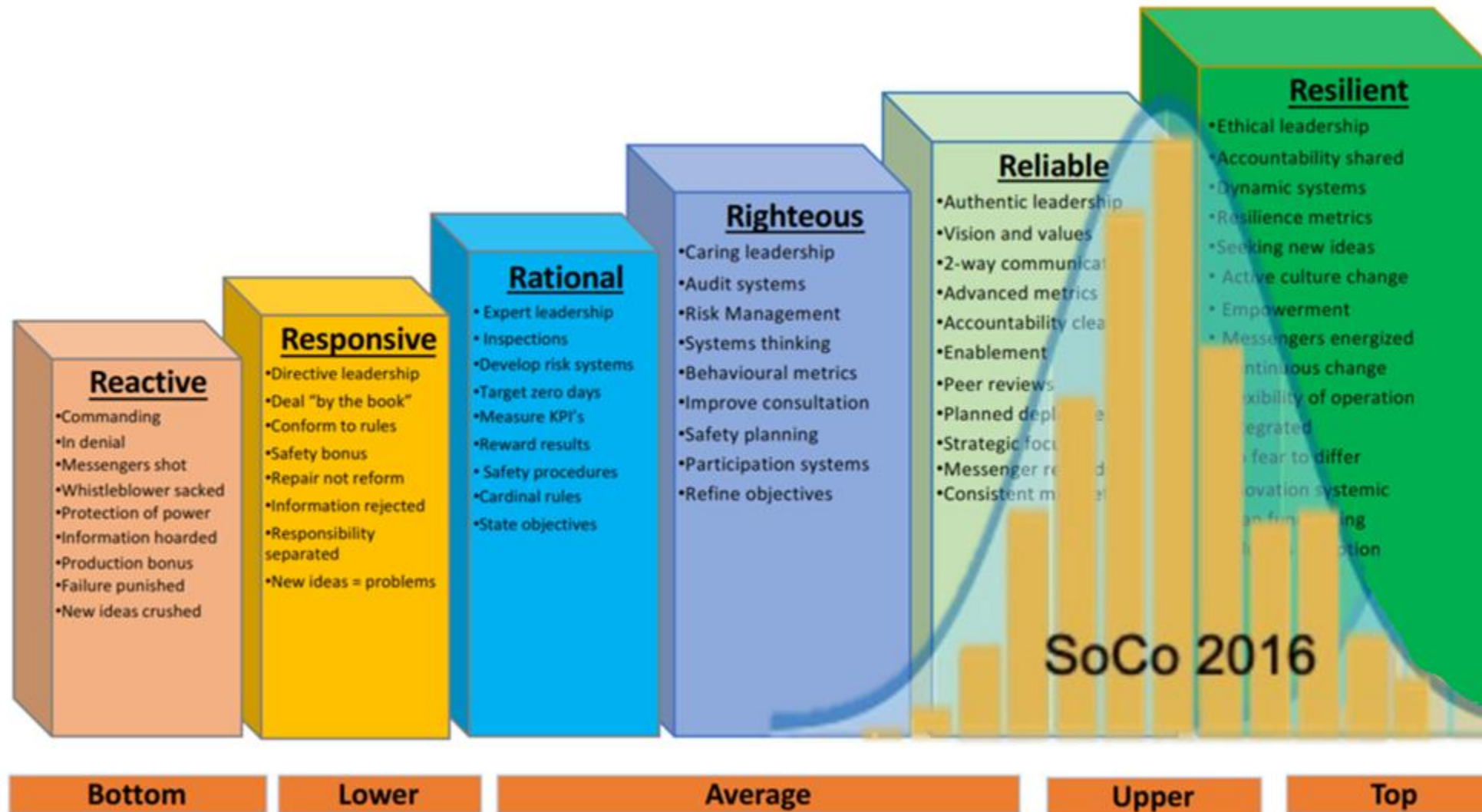
2000s: Growing skepticism of the pyramid model; emergency of risk-based approaches

The Target Zero Era (1990s-2010s)

- Goal of zero OSHA recordable injuries
- Widespread adoption across the U.S.
- Employees became hyper-focused on safety
- Utilized reward-based incentives
 - Gifts and meals given to departments who worked injury free
 - Employees' bonus structure aligned with OSHA RI counts
- OSHA's 2012 Memorandum clarified acceptable incentives
- Well-intentioned but had unintended consequences
 - Focused on metrics opposed to meaningful risk reduction
 - Underreporting of injuries
 - Self-appointed pressure to not report minor injuries
 - Safety initiatives to address “low hanging fruit” injuries opposed to preventing high-consequence, low frequency events (SIFs).

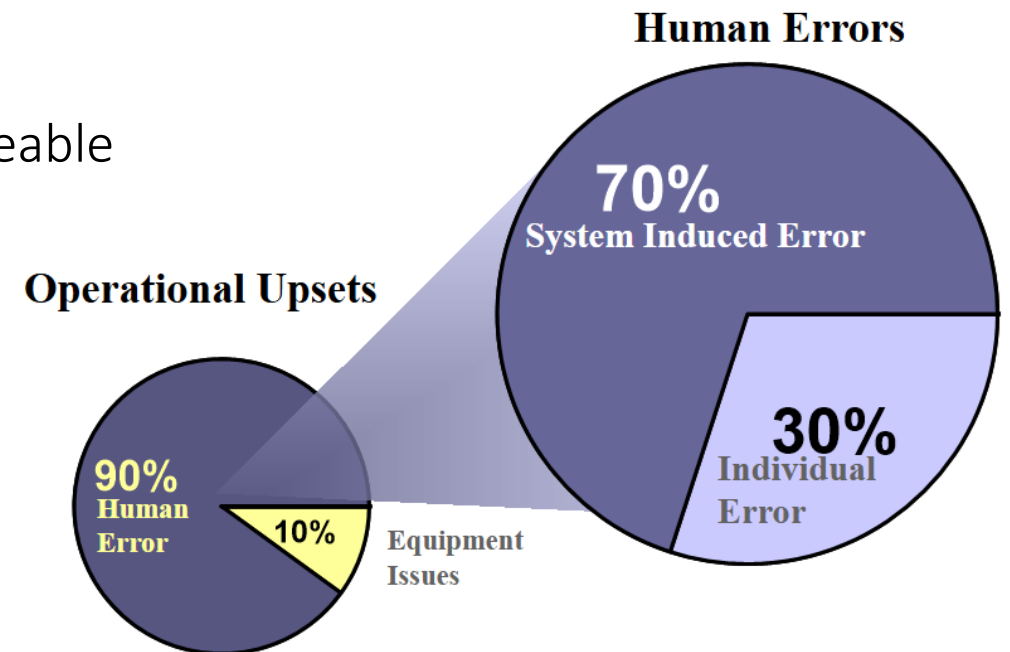


2016/2017 – Safety Culture Survey and the End of Target Zero



Safety Programs Implemented Post Safety Culture Survey

- Transitioned from Target Zero to a proactive safety culture
- Introduced Human Performance principals, especially in “Event Learnings”
 - Since humans are fallible, efforts should be put forth to learn and build system and processes to prevent unwanted events
 - 5 principles
 1. People make mistakes
 2. Systems drive behavior
 3. Mistake-likely situations are predictable and manageable
 4. Learning is vital
 5. Leadership’s response to failure matters

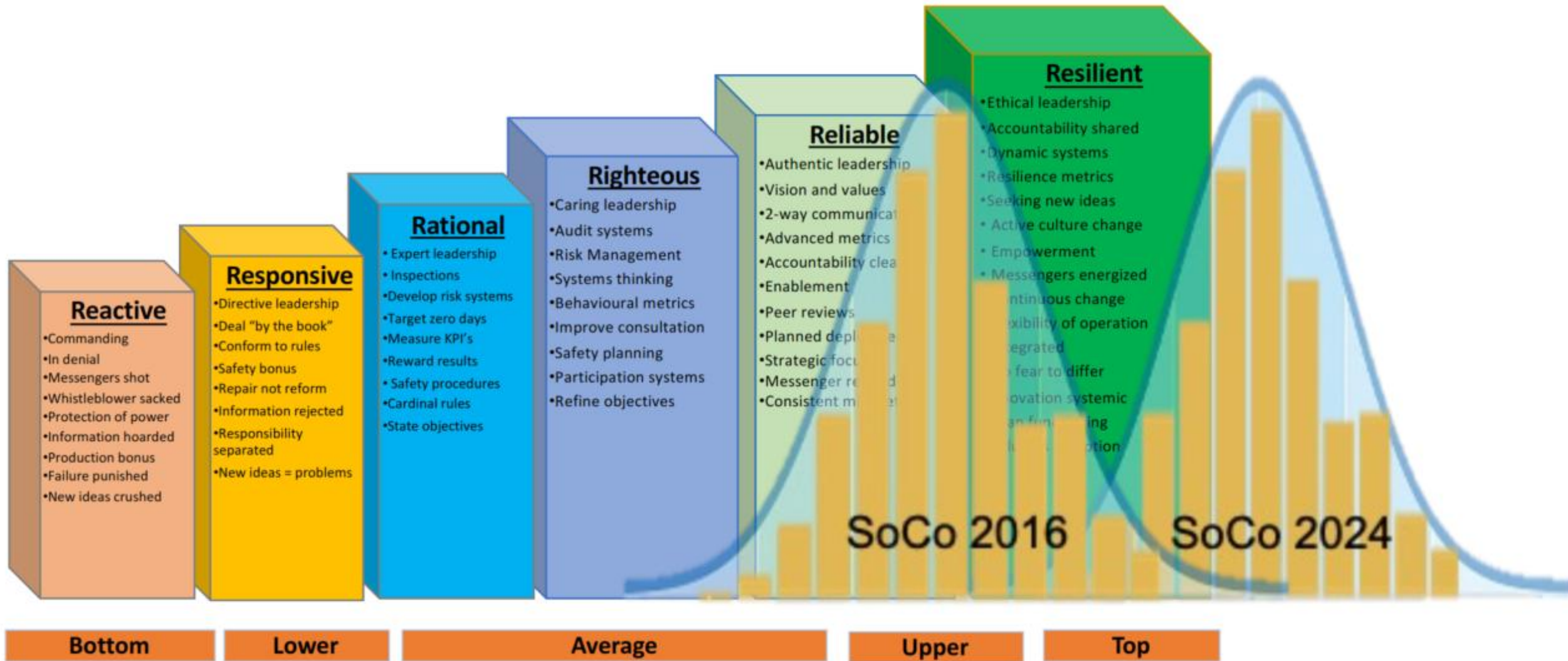


Safety Programs Implemented Post-2016/2017 Safety Culture Survey

- Safety and Health Management System – Continuous Improvement
- Critical Risk Management
 - Risk registers
 - Identify all tasks performed and calculate risk ratings both without and with controls
 - Goal – Identify high consequence activities whose current controls do not adequately lower risk



A Maturing Safety Culture



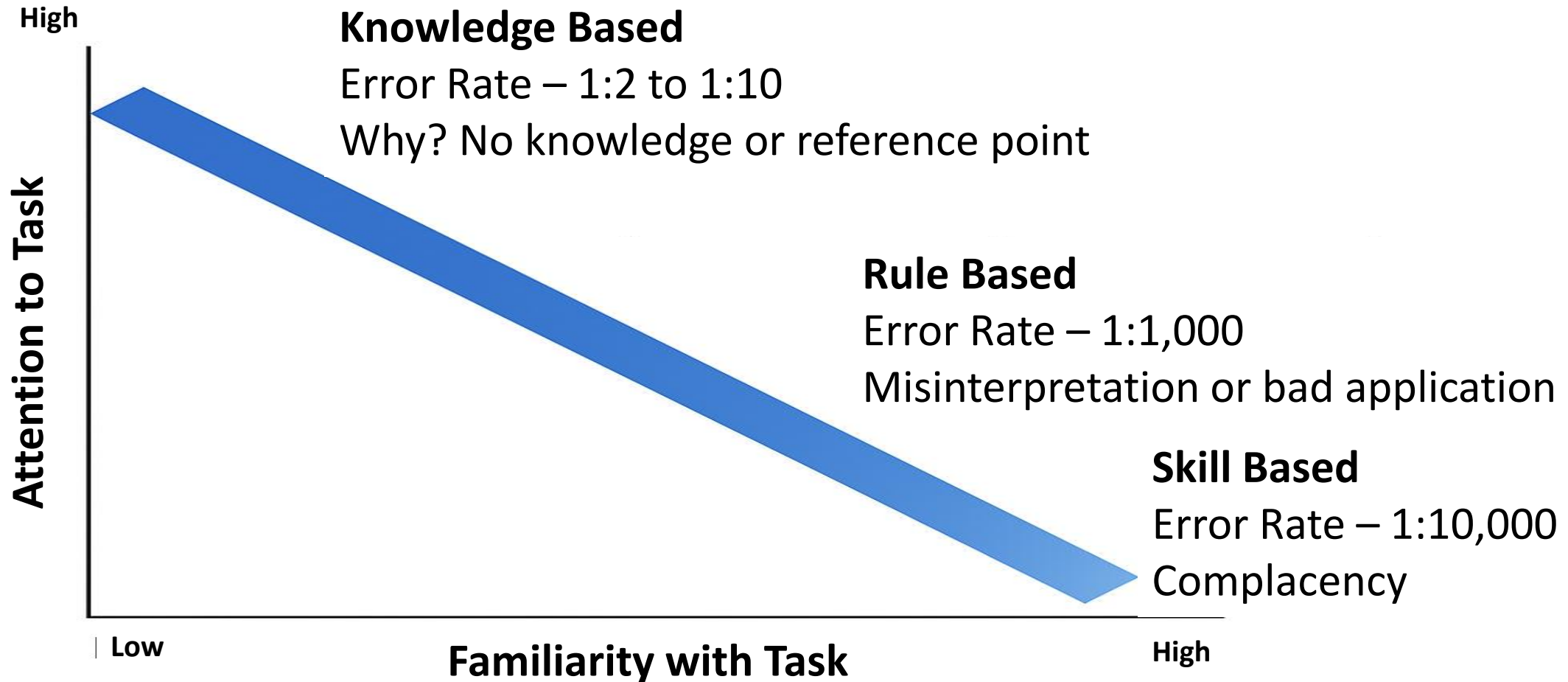
Since 2017, OSHA recordable counts have increased...but is that a bad thing?

VNG Safety Onboarding and Training Programs



Why Do People Make Errors at Different Career Stages?

Skill-Rule-Knowledge Framework



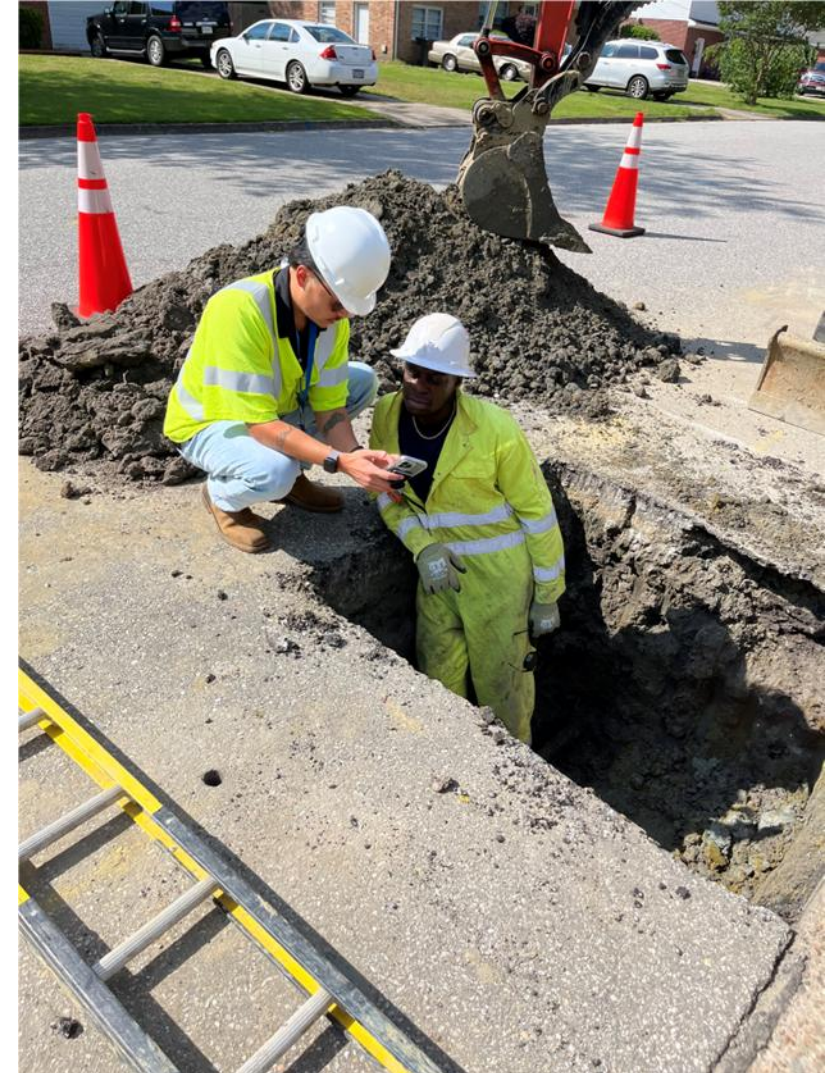
Empowering Local Leadership Through Real-Time Trend Analysis

- Safety creates metric/trend reports, often a month behind.
- Today's technology (Power BI) allows for the sharing of real-time data to Operations leadership
 - Quicker trend identification and implementation of response plans
 - Promotes transparent communications
 - Engages local leadership
 - Increases safety initiative buy-in



New Personnel Onboarding and Orientation

- Structured onboarding process
- Safety expectations from day one
- Communicating workplace safety from the start
- Engage new employees and reinforce company culture and policies



Tool Training and Equipment Familiarization

- Proper, timely tool training ensures safety and operational efficiency in the workplace.
- Familiarity with equipment reduces accidents and improves task performance.
- Structured training programs are critical for effective tool and equipment use.



Safety Ownership and Training

Ownership of Safety Training:

Lead personnel actively take responsibility for safety training and equipment checks.

Mentoring for Safety:

Frontline Leaders mentor team members to ensure safety and best practices.

Reinforcing Accountability:

Crew Leads take ownership of crew safety and maintain high level of apprehension of policy with crews.



Investment in Safety Leaders and Ongoing Initiatives

Safety Leadership Investment

Mentoring of upcoming safety leaders
strengthens organizational commitment

Support for Safety Initiatives

Ongoing support for safety programs
through employee ownership



Mitigating Driving Safety Risks through Proactive Initiatives

- Operating a motor vehicle is the most hazardous task performed.
- Employees operate vehicle larger than their personal vehicles.
- Vehicle collision incidence rates are inversely related to experience driving the assigned vehicle.
- Steps taken to increase defensive driving acumen:
 - Smith System® training – classroom and on-the-road instruction
 - Controlled environment, hands-on training:
 - » Module-based Driver Safety Qualifications (DSQs)
 - » “Driving Rodeos”
 - Vehicle telematics with coaching feedback



Mitigating Driving Safety Risks through Proactive Initiatives

Vehicle Telematics

- 15+ years of utilizing DriveCam® by LYTX
- Early identification and addressing of poor driving behavior:
 - Sets vehicle driving expectations,
 - Elevates defensive driving skills, and
 - Has long-lasting, beneficial effects.
- Units are installed in vehicles of employees with less than 2 years of service and in all CDL vehicles.



Hands-on Training in a Controlled Environment

- Driving Rodeos
 - Allows drivers to become familiar with their vehicles in a safe, controlled environment.
 - » Practice backing, learning turn radius, etc.
- Driver Safety Qualifications (DSQs)
 - Module-based lessons including but not limited to:
 - » Pre-trip inspection / Circle of Safety
 - » How to properly set your mirrors
 - » Proper parking spot selection



Training Frontline Supervisors for Wellness and Injury Prevention

- An employee distracted due to wellbeing issues cannot fully focus on the task at hand.
- The company has an active investment in employees' and their dependents' wellness.
- Wellness reward programs.
- Monetary Health Savings Account.



Functional Movement Program to Prevent Soft Tissue (MSK) Injuries

- Soft tissue injuries account for 56% of all OSHA recordable injuries.
- What is “Functional Movement”?
 - An injury prevention methodology that:
 - » Focuses on how the body moves during work tasks, and
 - » Corrects non-ideal movement patterns that may lead to MSK injuries
- VNG partners with a functional movement vendor that provides:
 - Real-time ergonomic coaching in the field,
 - Creates employee-specific programs to address at risk body parts,
 - Utilizes wearable sensor and machine vision technology to illustrate ergonomic risks before and after being coaching.
- Increasing functional movement knowledge:
 - Decreases the chance of MSK injury
 - Extends employees’ field working career by delaying potentially career-limiting injuries



Strategic Partnerships with Pipeline Safety, QA, & Risk Management



Collaboration with Pipeline Safety (APEX)

Enhances strategic initiatives and drives operational standards



Engaging Quality Assurance:

Teams improves procedural standards and overlapping safety compliance



Partnering with Risk Management

Strengthens safety measures and allows for proactive response by Safety, QA, and APEX.

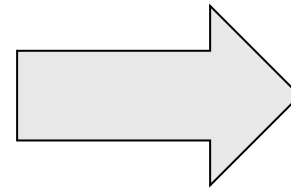
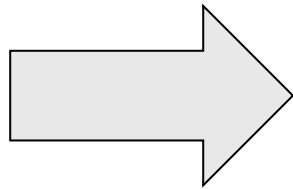
Innovations and the Future of Safety



Adoption of New Technologies – Flash Suits

Evaluation of newer FR fabric technology

- Flash suits for escaping gas events
 - Thinner, more breathable materials offering similar protection
 - Collaborating with Dupont



Preventing Heat Exhaustion

- Rehab trailers offer on-site medical support and rest areas, enhancing emergency response and worker rehabilitation during longer projects.
- Heat illness Awareness/ Education



Enhancements in Personal Protective Equipment



- New materials and technologies
- Enhanced Comfort
- Focus on ergonomic fit and breathable
- Versatile Applications
- Upgraded equipment for specific job requirements

Emergency Response



Escaping Gas Simulations



Simulation Exercises

Conduct exercises that replicate actual gas leak situations to prepare personnel for safe and efficient responses.

Training in Safety Procedures

Educate critical risk safety awareness and hazard recognition during gas leak events and outages.

Enhancing Emergency Response

Enhance teamwork and critical decision-making skills in gas leak emergencies .

General Emergency Preparedness Principles

Fundamental Preparedness Principles

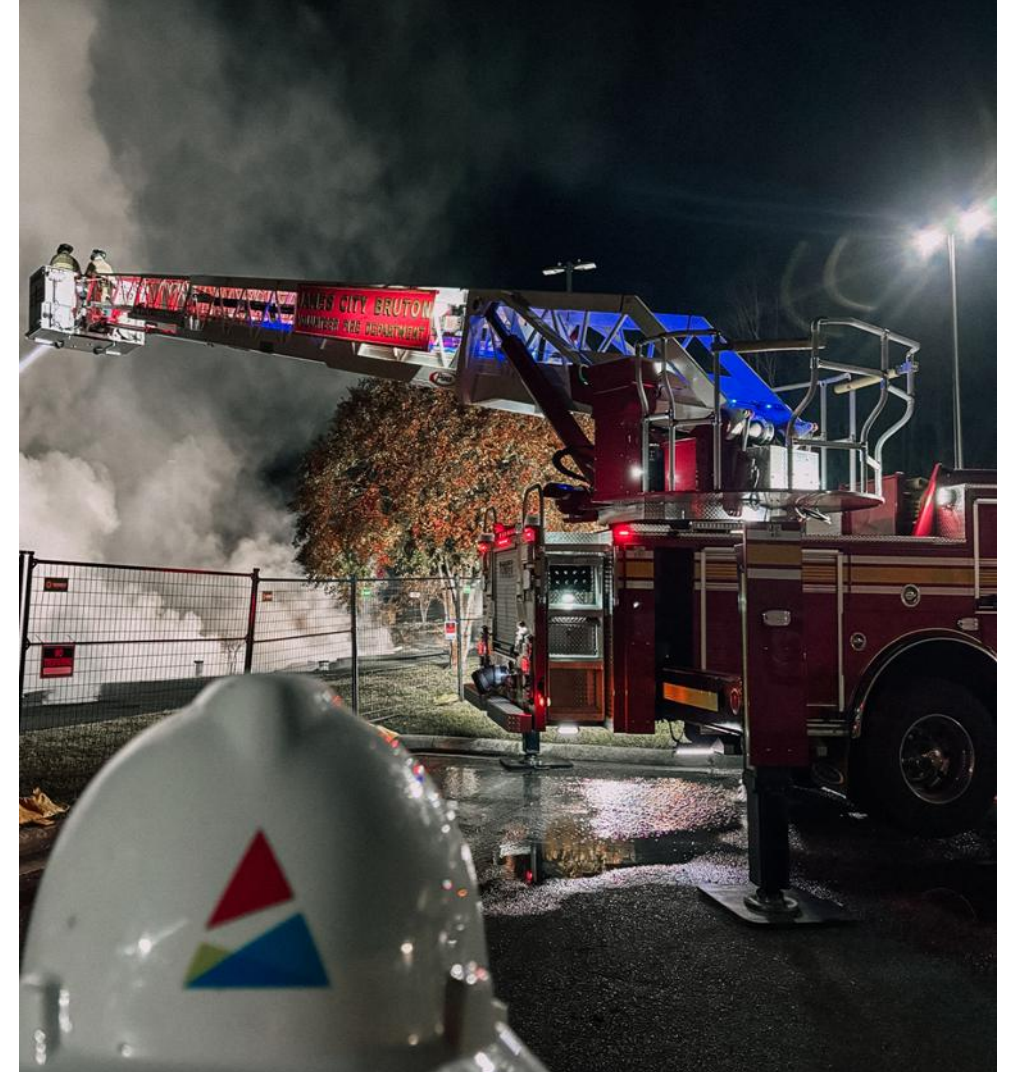
Utilizing ICS and coordinating efforts with municipal partners to manage emergencies successfully

Communication and Coordination

Enhance communication security during emergency incidents through various technologies.

Safety and Risk Management

Assess and mitigate risk during low frequency and high-risk incidents.



Final Thoughts



Final Thoughts

- Safety is a journey, not a destination.
 - Continuous Improvement
 - Developing a strong safety culture is key
 - Zero incidents does not mean zero risk
- Top-down support is vital, but safety culture doesn't mature until all parties buy in.
 - Human Performance methodologies allow for dialogue where all parties feel empowered to speak up.

"We are not defined by the incidents that occur, but by how we respond—with care, accountability, and a commitment to learning."



Virginia
Natural Gas